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Apr 29, 1993

DERWENT-ACC-NO: 1993-144852

DERWENT-WEEK: 199318

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TITLE: Programmable control and data acquisition system for flight time mass spectrometer - determines number of adjustable times and corresp. time intervals for each data acquisition cycle

INVENTOR: FALK, H; WOLLNIK, H

PATENT-ASSIGNEE:

ASSIGNEE

SPECTRO MASS SPECTROMETRY GES

SPECTRO ANALYTICAL INSTR GMBH

CODE

SPECN

SPECN

PRIORITY-DATA: 1991DE-4135504 (October 28, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4135504 A1	April 29, 1993	N/A	005	H01J049/40
EP 539664 A1	May 5, 1993	G	006	H01J049/40

DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

CITED-DOCUMENTS: 1.Jnl.Ref; DE 2848435 ; EP 84086

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 4135504A1	October 28, 1991	1991DE-4135504	N/A
EP 539664A1	July 29, 1992	1992EP-0112886	N/A

INT-CL (IPC): G01N 27/62; H01J 49/40

ABSTRACTED-PUB-NO: DE 4135504A

BASIC-ABSTRACT:

The programmable control and data acquisition system for a flight time mass spectrometer determines a number of adjustable times (Ti) and corresp. time intervals (Delta Ti) for each data acquisition cycle. Defined potentials within the spectrometer are varied for some of these times and the summation of ion currents collected at a collector and suitably amplified is started or stopped at these times.

The different times and the time intervals are stored in an electronic memory with an identification signal (Ni), in a stored list. The identification signal characterises particular amplifiers and/or ion beam deflectors, and/or accelerators, and/or breaking and/or fluid mass spectrometers.

USE/ADVANTAGE - Data acquisition system can simultaneously act as control system for flight time mass spectrometer.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: PROGRAM CONTROL DATA ACQUIRE SYSTEM FLIGHT TIME MASS SPECTROSCOPE

DETERMINE NUMBER ADJUST TIME CORRESPOND TIME INTERVAL DATA ACQUIRE CYCLE

DERWENT-CLASS: S03

EPI-CODES: S03-E10A;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1993-110633